

CLAIMS

1. Device for switching on and powering discharge lamps comprising at least a current limiting device, at least a square wave generator, at least an igniter, at least two high tension connection cables, at least a lamp holder with at least a discharge lamp coupled, said at least one igniter comprising at least a high tension transformer and at least an overlapping transformer, said device being characterised in that said at least an igniter is divided into a first stage of the igniter, or pulse generator transformer, and a high tension transformer, and in that said first igniter stage, or pulse generator transformer, and the relevant high tension transformer are assembled along with the above mentioned components.

2. Device for switching on and powering discharge lamps according to claim 1, characterised in that said at least a first stage of the igniter, or pulse generator transformer, is fixed to the lamp holder.

3. Device for switching on and powering discharge lamps according to claim 1 or 2, characterised in that said at least a first stage of the igniter, or pulse generator transformer, integrally moves along with the lamp holder.

4. Device for switching on and powering discharge lamps according to one of the preceding claims, characterised in that said at least current limiting device module is connected by two reduced section cables with said at least said at least first stage of the igniter, or pulse generator transformer.

5. Device for switching on and powering discharge lamps according to claim 4, characterised in that connection cables between said at least a current limiting device module and said at least a first stage of the igniter, or pulse generator transformer, are be subjected to movement and/or traction.

6. Device for switching on and powering discharge lamps according to one of the preceding claims, characterised in that said at least a first stage of the igniter, or pulse generator transformer, comprises at least a transformer.

7. Device for switching on and powering discharge lamps according to claim 6, characterised in that said at least a first stage of

the igniter, or pulse generator transformer, comprises two transformers.

5 8. Device for switching on and powering discharge lamps according to claim 6, characterised in that said at least a transformer is comprised of a toroidal core.

 9. Device for switching on and powering discharge lamps according to claim 7, characterised in that said two transformers are comprised of two toroidal nuclei.

10 **10. Device for switching on and powering discharge lamps according to claim 8 or 9, characterised in that said at least one transformed comprised of a toroidal core allows a reduction of dimensions, promoting a reducing assembling.**

15 11. Device for switching on and powering discharge lamps according to each one of the preceding claims substantially as illustrated and described.